

Virginia

COMMUNITY PROFILE

Essex County



Virginia Employment Commission

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I. Introduction

This report provides a community profile of Essex County. It is intended to compliment the information found in our Virginia Workforce Connection application, which can be accessed online at:

www.VirginiaLMI.com

The report is divided into three major sections. The first contains a profile of regional demographic characteristics and trends, the second supplies similar information for the regional economy, and the third provides a profile of regional education characteristics.

II. Demographic Profile

Overview

This Demographic Profile provides an in-depth analysis of the population in Essex County. Most of the data is produced by the U.S. Census Bureau, and includes demographic characteristics such as age, race/ethnicity, and gender.



Related Terms and Definitions

Ability to speak English

For people who speak a language other than English at home, the response represents the person's own perception of his or her ability to speak English. Because census questionnaires are usually completed by one household member, the responses may represent the perception of another household member.

Age

The age classification is based on the age of the person in complete years as of April 1, 2010. The age of the person usually was derived from their date of birth information. Their reported age was used only when date of birth information was unavailable.

Gender

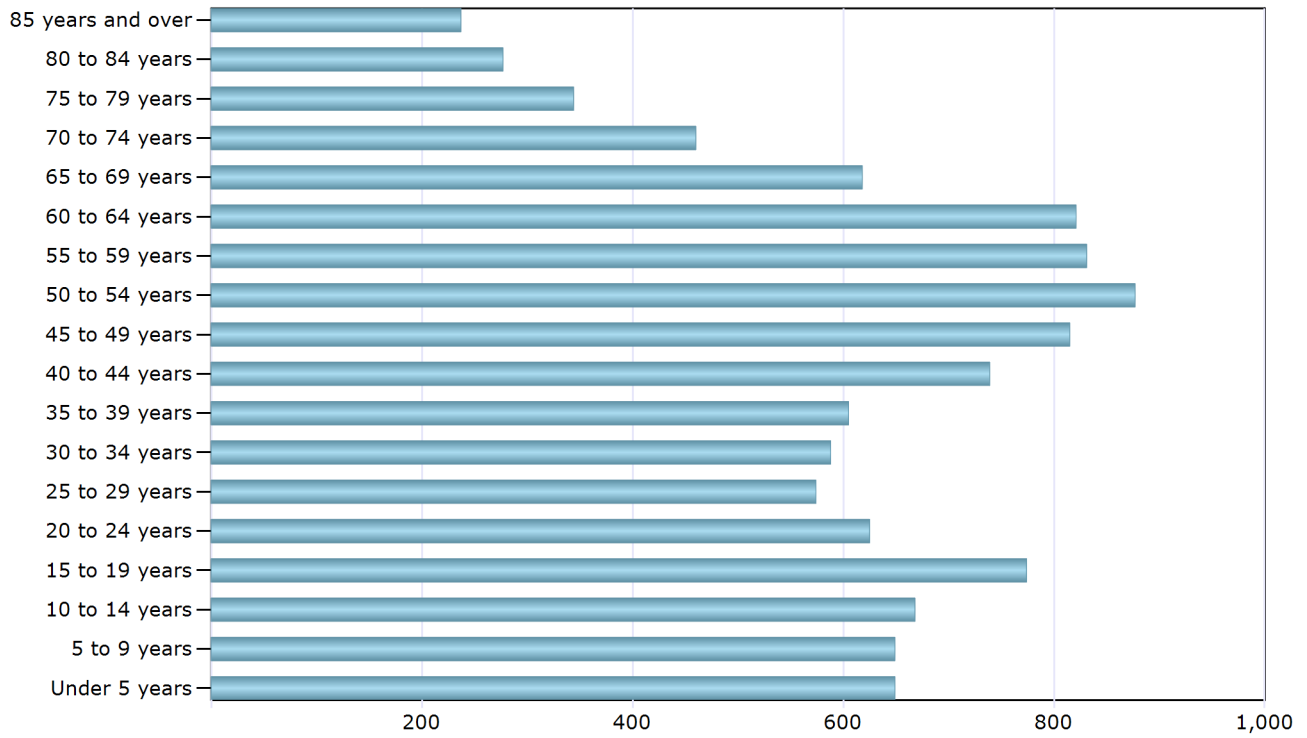
The data on gender were derived from answers to a question that was asked of all people. Individuals were asked to mark either "male" or "female" to indicate their gender. For most cases in which gender was not reported, it was determined by the appropriate entry from the person's given (i.e., first) name and household relationship. Otherwise, gender was imputed according to the relationship to the householder and the age of the person.

Race

The concept of race as used by the Census Bureau reflects self-identification by people according to the race or races with which they most closely identify. The categories are sociopolitical constructs and should not be interpreted as being scientific or anthropological in nature. Furthermore, the race categories include both racial and national-origin groups.

Please note: In the past, our population by race/ethnicity data has always excluded the Hispanic ethnicity from each race category. Starting in January 2013, each race category now includes all ethnicities.

Population by Age



	Essex County	Virginia	United States
Under 5 years	649	509,625	20,201,362
5 to 9 years	649	511,849	20,348,657
10 to 14 years	668	511,246	20,677,194
15 to 19 years	774	550,965	22,040,343
20 to 24 years	625	572,091	21,585,999
25 to 29 years	574	564,342	21,101,849
30 to 34 years	588	526,077	19,962,099
35 to 39 years	605	540,063	20,179,642
40 to 44 years	739	568,865	20,890,964
45 to 49 years	815	621,155	22,708,591
50 to 54 years	877	592,845	22,298,125
55 to 59 years	831	512,595	19,664,805
60 to 64 years	821	442,369	16,817,924
65 to 69 years	618	320,302	12,435,263
70 to 74 years	460	229,502	9,278,166
75 to 79 years	344	173,929	7,317,795
80 to 84 years	277	130,801	5,743,327
85 years and over	237	122,403	5,493,433
	11,151	8,001,024	308,745,538

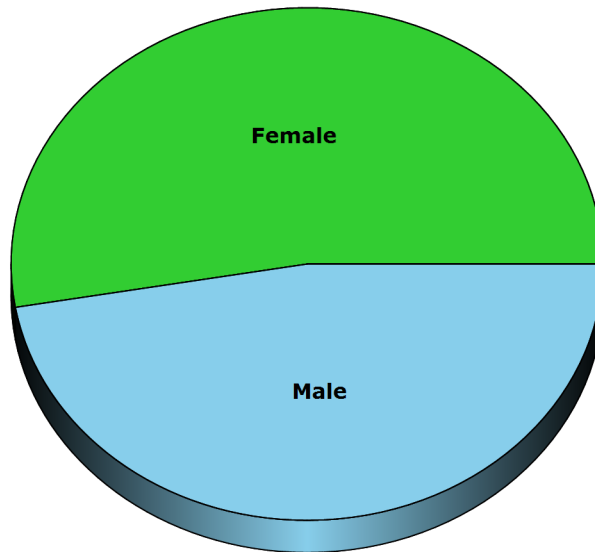
Source: 2010 Census.

Population by Race/Ethnicity

	Essex County	Virginia	United States
Total			
Total Population	11,151	8,001,024	308,745,538
Race			
White	6,370	5,486,852	223,553,265
Black or African American	4,247	1,551,399	38,929,319
American Indian or Alaska Native	60	29,225	2,932,248
Asian	86	439,890	14,674,252
Native Hawaiian/Pacific Islander	3	5,980	540,013
Other	150	254,278	19,107,368
Multiple Races	235	233,400	9,009,073
Ethnicity			
Not Hispanic or Latino (of any race)	10,802	7,369,199	258,267,944
Hispanic or Latino (of any race)	349	631,825	50,477,594

Source: 2010 Census.

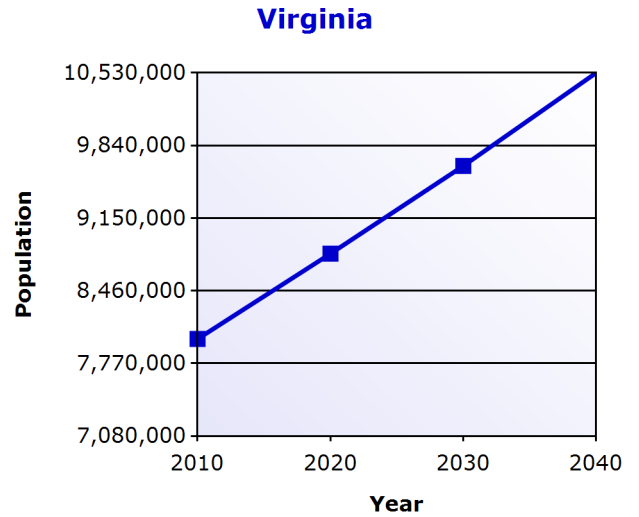
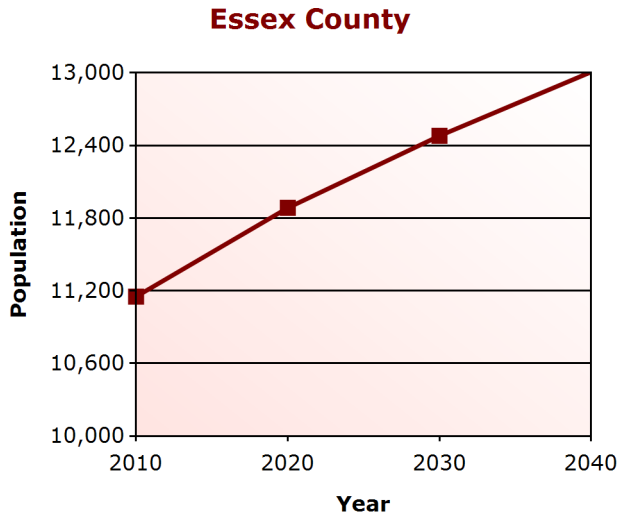
Population by Gender



	Essex County	Virginia	United States
Male	5,274	3,925,983	151,781,326
Female	5,877	4,075,041	156,964,212
	11,151	8,001,024	308,745,538

Source: 2010 Census.

Population Change



	Essex County	(% change)	Virginia	(% change)
2000	9,989		7,079,030	
2010	11,151	11.63 %	8,001,024	13.02 %
2020	11,884	6.57 %	8,811,512	10.13 %
2030	12,479	5.01 %	9,645,281	9.46 %
2040	13,007	4.23 %	10,530,229	9.17 %

Source: U.S. Census Bureau, Virginia Employment Commission.

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www.VirginiaLMI.com



Population Projections by Age and Gender

	2020		2030		2040	
	Female	Male	Female	Male	Female	Male
Under 5 years	306	296	328	318	329	318
5 to 9 years	326	333	353	361	364	372
10 to 14 years	434	399	405	372	441	405
15 to 19 years	369	306	377	313	414	344
20 to 24 years	270	247	339	310	320	294
25 to 29 years	386	334	339	293	352	304
30 to 34 years	399	358	332	298	423	379
35 to 39 years	337	308	425	389	379	346
40 to 44 years	337	307	437	398	369	336
45 to 49 years	366	295	393	317	503	406
50 to 54 years	429	405	377	356	495	468
55 to 59 years	445	421	364	344	396	375
60 to 64 years	490	422	469	404	418	360
65 to 69 years	427	447	448	469	371	389
70 to 74 years	386	316	432	353	420	343
75 to 79 years	263	208	374	296	398	315
80 to 84 years	138	131	212	202	240	228
85 years and over	153	90	176	104	247	146
	6,261	5,623	6,580	5,897	6,879	6,128
	11,884		12,477		13,007	

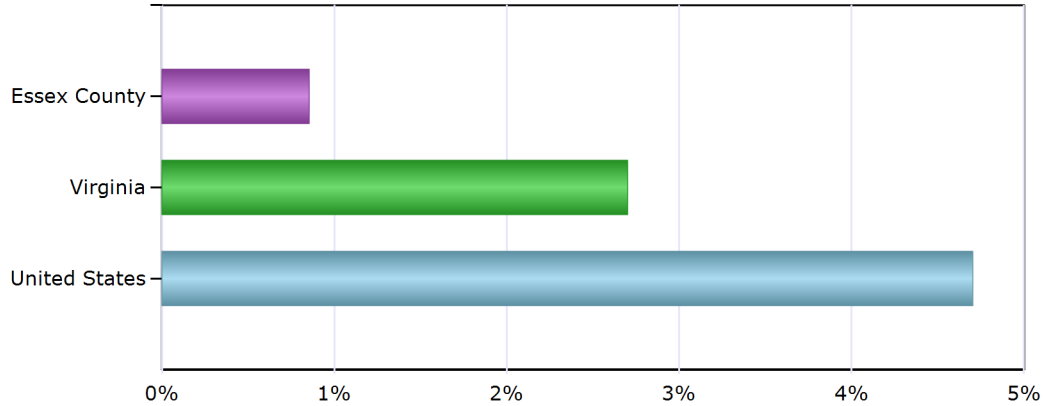
Source: Virginia Employment Commission.

Population Projections by Race/Ethnicity

	2020	2030	2040
Total			
Total Population	11,884	12,479	13,007
Race			
White	6,438	6,303	6,095
Black or African American	4,557	4,759	4,839
Asian	158	265	376
Other	731	1,153	1,697
Ethnicity			
Not Hispanic or Latino (of any race)	11,222	11,336	11,326
Hispanic or Latino (of any race)	662	1,144	1,681

Source: Virginia Employment Commission.

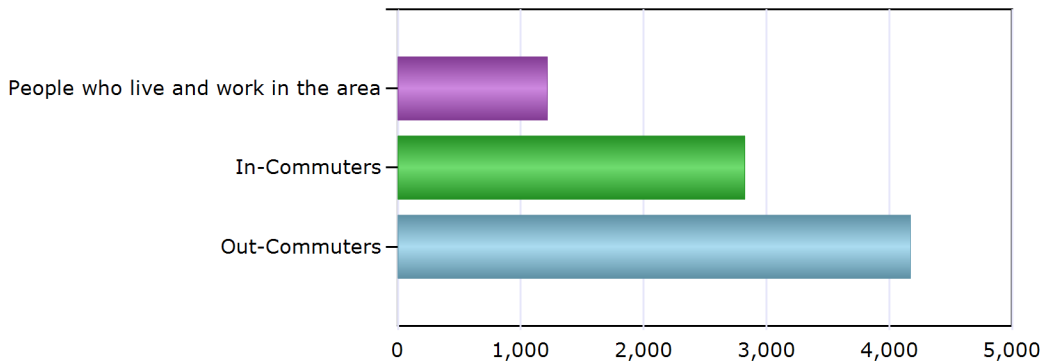
English Language Skills (Age 5 and over that speak English less than well)



	Total	Speak English less than well	Percent
Essex County	10,419	89	0.85%
Virginia	7,419,283	200,418	2.70%
United States	286,433,395	13,472,190	4.70%

Source: U.S. Census Bureau
American Community Survey, 2007-2011.

Commuting Patterns



Commuting Patterns	
People who live and work in the area	1,216
In-Commuters	2,823
Out-Commuters	4,173
Net In-Commuters (In-Commuters minus Out-Commuters)	-1,350

Source: U.S. Census Bureau,
OnTheMap Application and LEHD Origin-Destination Employment Statistics, 2011.

Top 10 Places Residents are Commuting To

Area	Workers
Henrico County, VA	435
Richmond city, VA	291
Hanover County, VA	210
Fairfax County, VA	208
Richmond County, VA	204
Newport News city, VA	170
Chesterfield County, VA	166
King William County, VA	165
Spotsylvania County, VA	123
Westmoreland County, VA	114

Top 10 Places Workers are Commuting From

Area	Workers
Richmond County, VA	266
Westmoreland County, VA	199
Middlesex County, VA	154
King and Queen County, VA	150
King William County, VA	131
Northumberland County, VA	110
Henrico County, VA	109
Hanover County, VA	85
Chesterfield County, VA	69
Lancaster County, VA	68

Source: U.S. Census Bureau,
OnTheMap Application and LEHD Origin-Destination Employment Statistics, 2011.

Please Note: Commuting patterns data is no longer produced from the Decennial Census. As an alternative, we are providing commuting data from the U.S. Census Bureau's OnTheMap application and LEHD Origin-Destination Employment Statistics program. Since this data is produced from an entirely different data set, it is not advisable to compare the new data with previously released commuting patterns. For more information about the OnTheMap application or the LEHD program, please visit the following website:

<http://lehd.ces.census.gov>

III. Economic Profile

Overview

The Economic Profile of Essex County consists primarily of data produced by the Virginia Employment Commission, U.S. Census Bureau, and the Bureau of Labor Statistics.



Related Terms and Definitions

Average Weekly Wage

Computed as average quarterly wages divided by 13.

Consumer Price Index (CPI)

The Consumer Price Index measures the average change over time in the prices paid by urban consumers for a representative market basket of consumer goods and services.

Local Employment Dynamics (LED)

The Local Employment Dynamics Program at the Census Bureau, together with its state partners, provides employment information at the county, city, and Workforce Investment Area level. This information tracks workers in different industries by age and gender and provides statistics on job creation, separation, turnover, and wages.

Quarterly Census of Employment & Wages (QCEW)

A federal/state cooperative program that collects and compiles employment and wage data for workers covered by state unemployment insurance (UI) laws and the federal civilian workers covered by Unemployment Compensation for Federal Employees (UCFE). These data are maintained at the state in micro and macro levels and also sent to BLS quarterly.

Unemployment Insurance (UI)

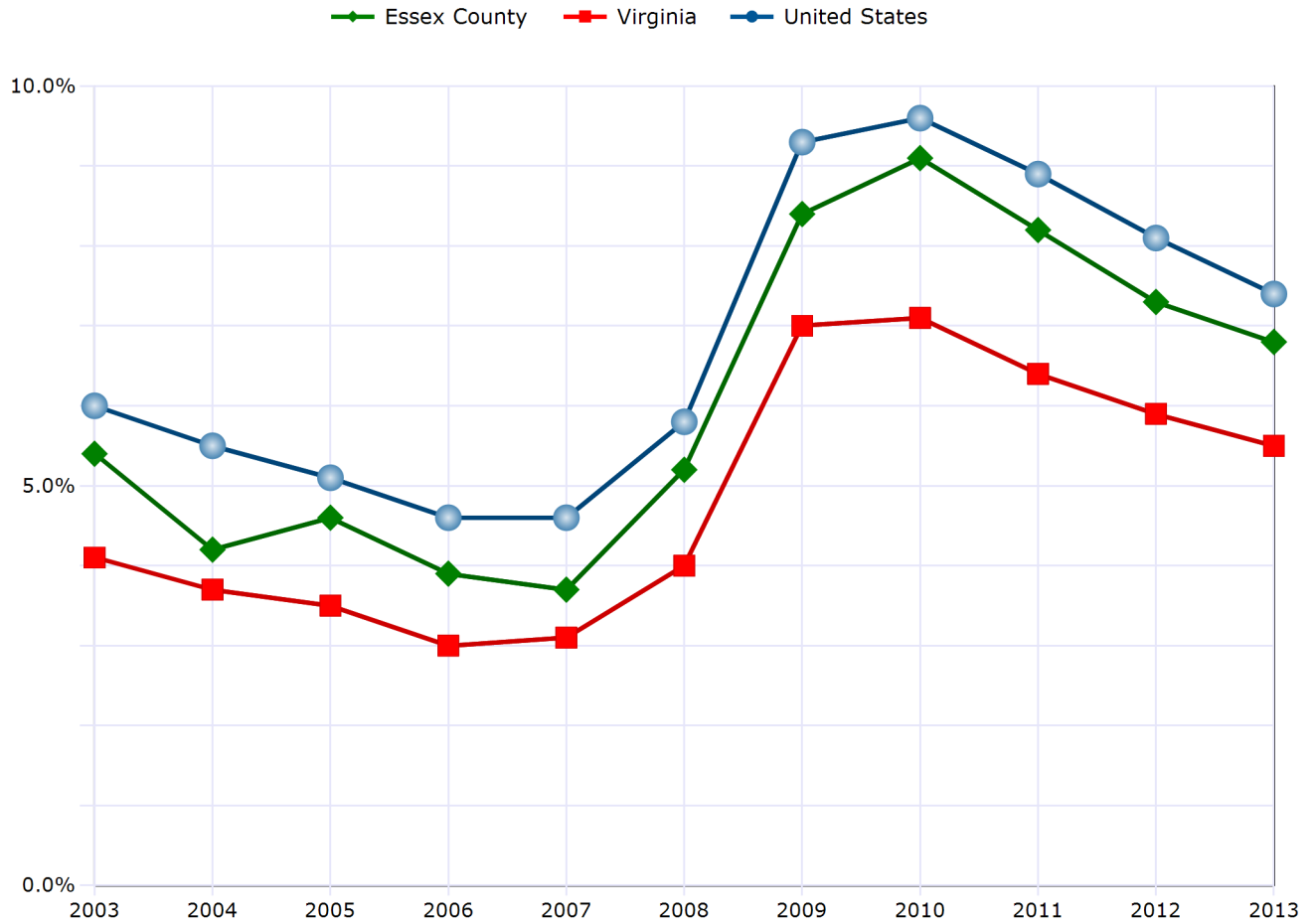
Unemployment insurance is a program for the accumulation of funds paid by employers to be used for the payment of unemployment insurance to workers during periods of unemployment which are beyond the workers' control. Unemployment insurance replaces a part of the worker's wage loss if he becomes eligible for payments.

Unemployment Rate

The number of unemployed people as a percentage of the labor force.

Unemployment Rates

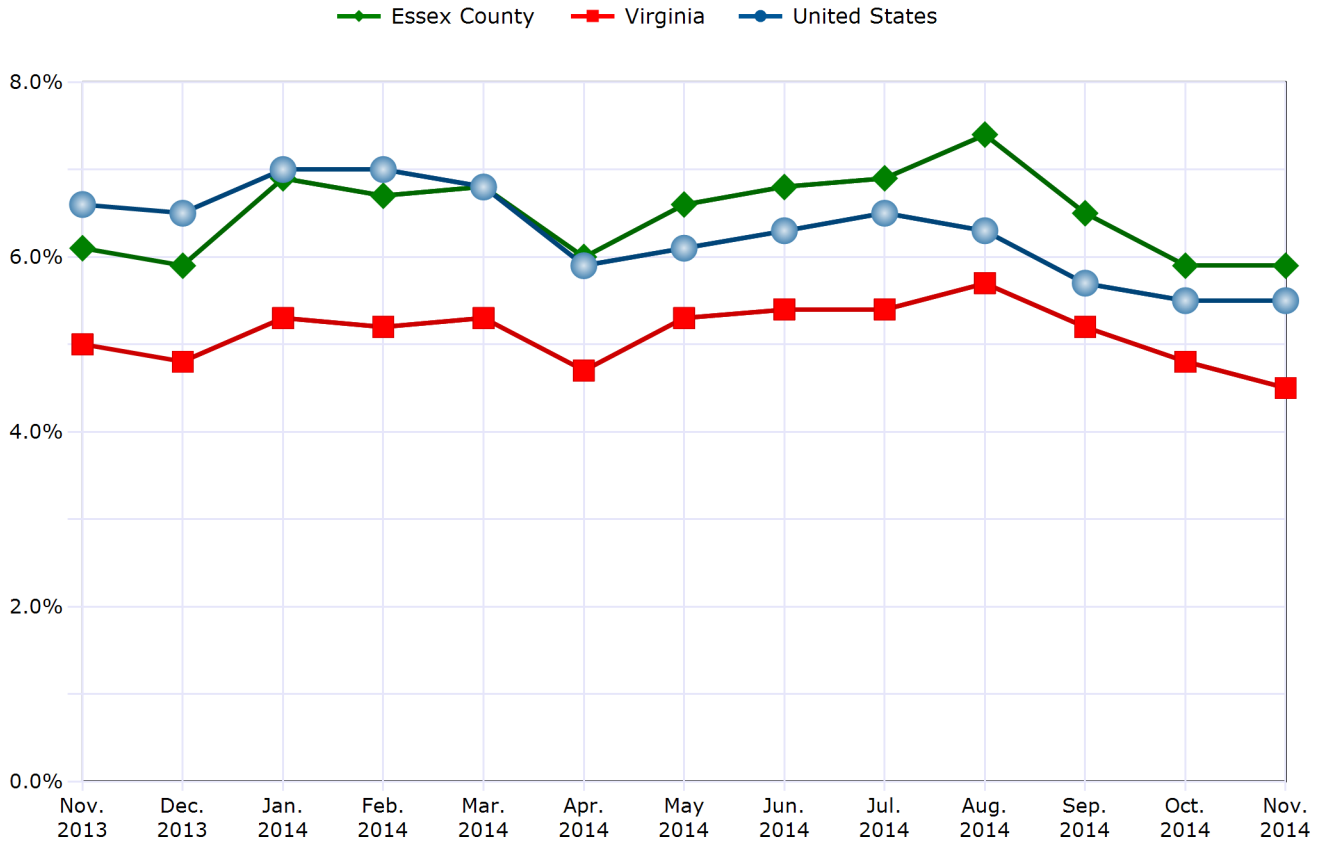
Trends



	Essex County	Virginia	United States
2003	5.4%	4.1%	6.0%
2004	4.2%	3.7%	5.5%
2005	4.6%	3.5%	5.1%
2006	3.9%	3.0%	4.6%
2007	3.7%	3.1%	4.6%
2008	5.2%	4.0%	5.8%
2009	8.4%	7.0%	9.3%
2010	9.1%	7.1%	9.6%
2011	8.2%	6.4%	8.9%
2012	7.3%	5.9%	8.1%
2013	6.8%	5.5%	7.4%

Source: Virginia Employment Commission, Local Area Unemployment Statistics.

Unemployment Rates *Past 12 Months*



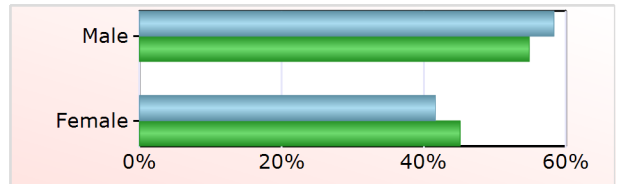
	Essex County	Virginia	United States
Nov. 2013	6.1%	5.0%	6.6%
Dec. 2013	5.9%	4.8%	6.5%
Jan. 2014	6.9%	5.3%	7.0%
Feb. 2014	6.7%	5.2%	7.0%
Mar. 2014	6.8%	5.3%	6.8%
Apr. 2014	6.0%	4.7%	5.9%
May 2014	6.6%	5.3%	6.1%
Jun. 2014	6.8%	5.4%	6.3%
Jul. 2014	6.9%	5.4%	6.5%
Aug. 2014	7.4%	5.7%	6.3%
Sep. 2014	6.5%	5.2%	5.7%
Oct. 2014	5.9%	4.8%	5.5%
Nov. 2014	5.9%	4.5%	5.5%

Source: Virginia Employment Commission, Local Area Unemployment Statistics.

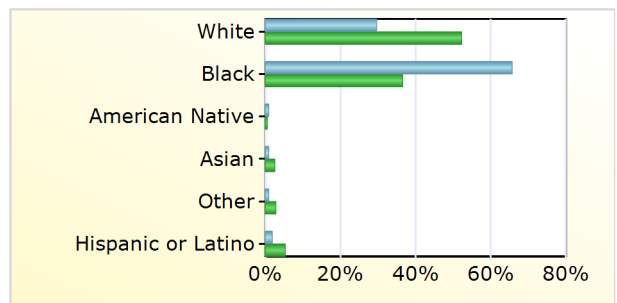
Characteristics of the Insured Unemployed

- Essex County - (108 claimants)
- Virginia - (39,509 claimants)

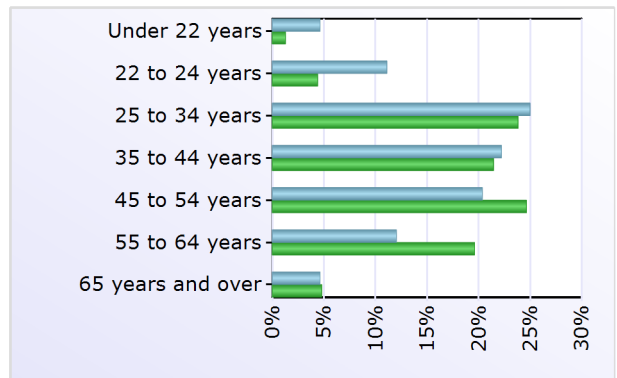
Gender	Essex County	Virginia
Male	63	21,677
Female	45	17,832
Unspecified		



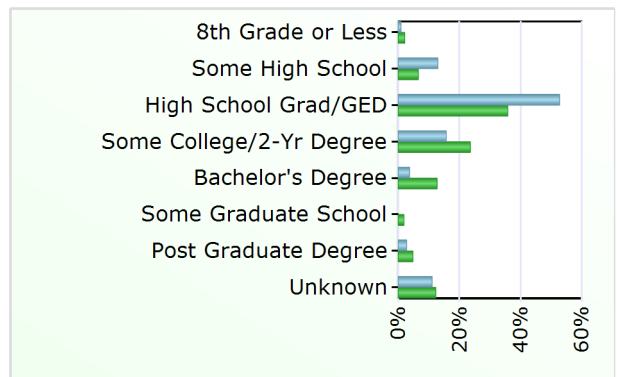
Race	Essex County	Virginia
White	32	20,660
Black	71	14,439
American Native	1	206
Asian	1	995
Other	1	1,110
Hispanic or Latino	2	2,099



Age	Essex County	Virginia
Under 22 years	5	506
22 to 24 years	12	1,737
25 to 34 years	27	9,416
35 to 44 years	24	8,476
45 to 54 years	22	9,736
55 to 64 years	13	7,749
65 years and over	5	1,889
Unknown		



Education	Essex County	Virginia
8th Grade or Less	1	850
Some High School	14	2,607
High School Grad/GED	57	14,182
Some College/2-Yr Degree	17	9,324
Bachelor's Degree	4	5,027
Some Graduate School		763
Post Graduate Degree	3	1,906
Unknown	12	4,850

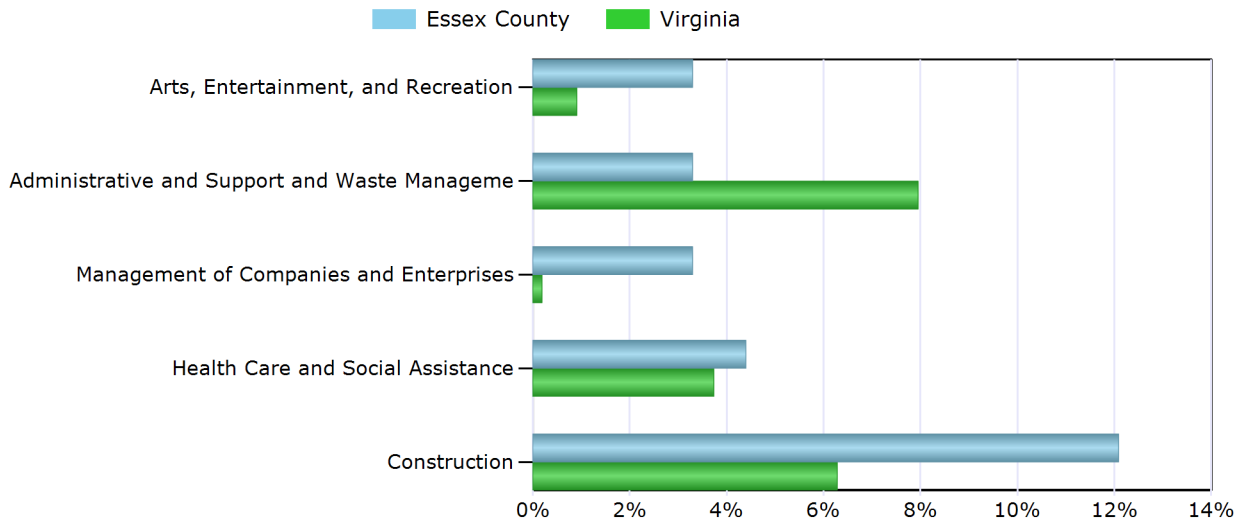


Source: Virginia Employment Commission, Characteristics of the Insured Unemployed, December 2014.

Characteristics of the Insured Unemployed

Top 5 Industries With Largest Number of Claimants in Essex County

(excludes unclassified)



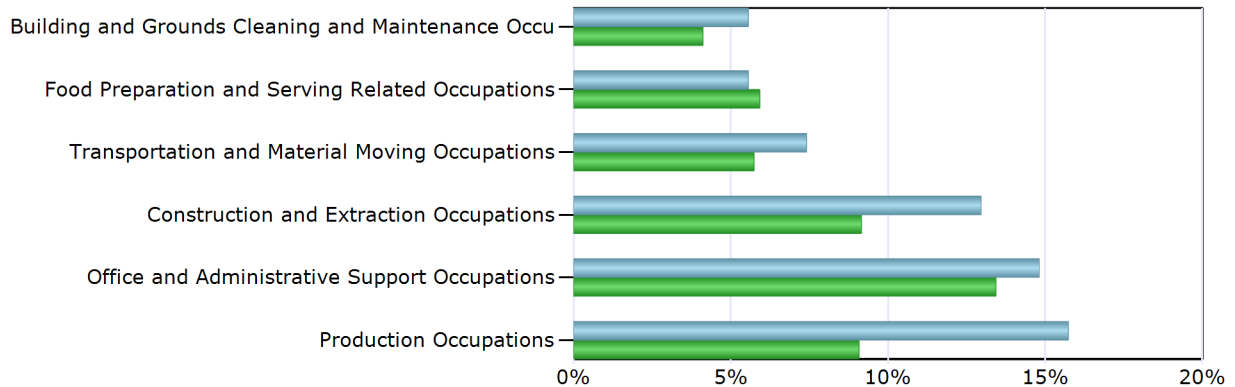
Industry	Essex County	Virginia
Agriculture, Forestry, Fishing and Hunting	1	82
Mining, Quarrying, and Oil and Gas Extraction	1	104
Utilities		4
Construction	11	2,328
Manufacturing		857
Wholesale Trade		454
Retail Trade	2	701
Transportation and Warehousing		436
Information		177
Finance and Insurance		342
Real Estate and Rental and Leasing		263
Professional, Scientific, and Technical Services	1	975
Management of Companies and Enterprises	3	70
Administrative and Support and Waste Management	3	2,946
Educational Services		117
Health Care and Social Assistance	4	1,384
Arts, Entertainment, and Recreation	3	336
Accommodation and Food Services	2	2,024
Other Services (except Public Administration)		418
Unclassified	60	23,041

Source: Virginia Employment Commission, Characteristics of the Insured Unemployed, December 2014.

Characteristics of the Insured Unemployed

Top 5 Occupation Groups With Largest Number of Claimants in Essex County

(excludes unclassified)

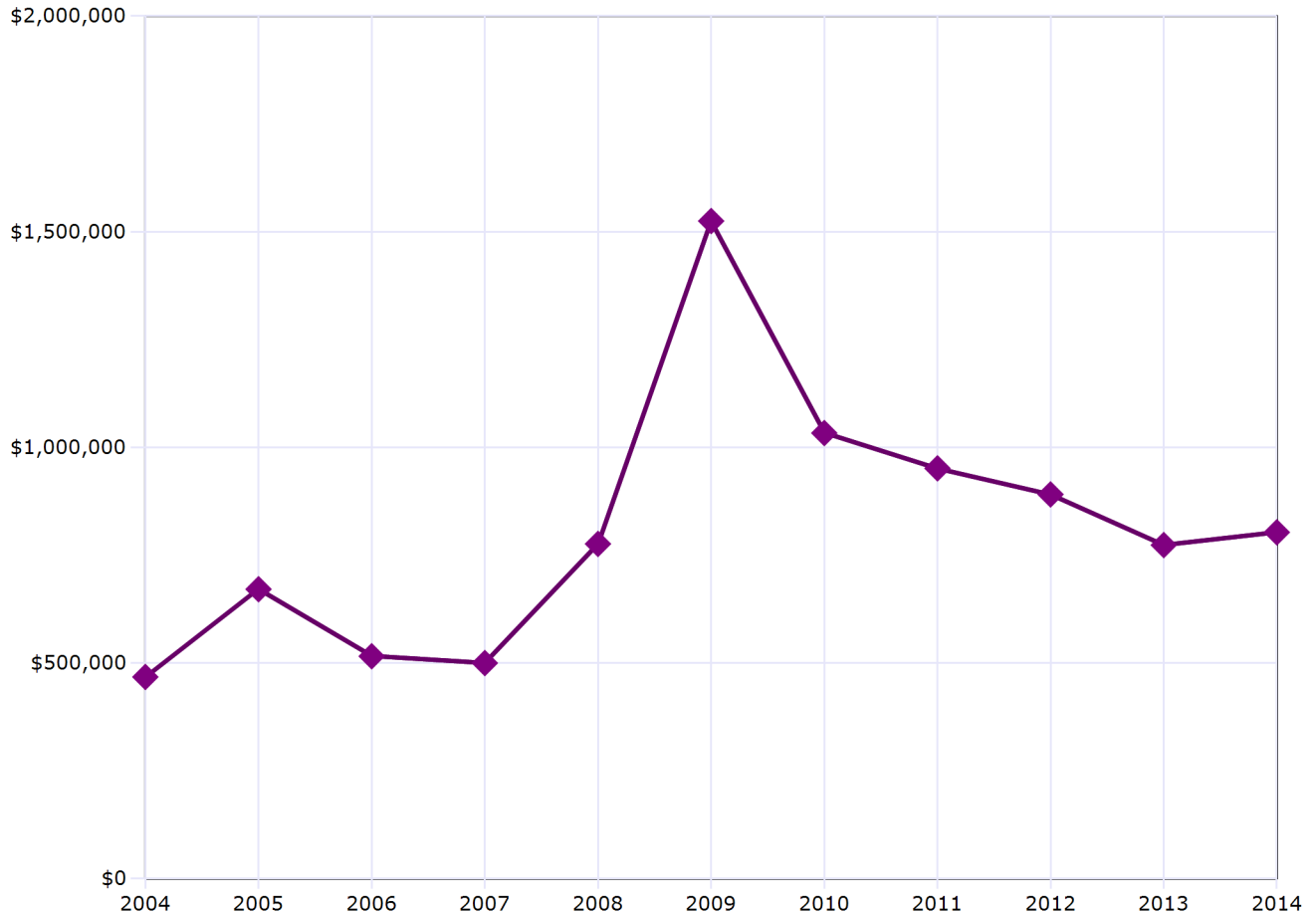


Occupation	Essex County	Virginia
Management Occupations	5	3,178
Business and Financial Operations Occupations	2	1,586
Computer and Mathematical Occupations	1	1,175
Architecture and Engineering Occupations	1	591
Life, Physical, and Social Science Occupations		242
Community and Social Service Occupations	1	396
Legal Occupations		203
Education, Training, and Library Occupations	2	584
Arts, Design, Entertainment, Sports, and Media Occ	1	662
Healthcare Practitioners and Technical Occupations	1	739
Healthcare Support Occupations	2	1,046
Protective Service Occupations		416
Food Preparation and Serving Related Occupations	6	2,339
Building and Grounds Cleaning and Maintenance Occu	6	1,624
Personal Care and Service Occupations	4	678
Sales and Related Occupations	5	2,612
Office and Administrative Support Occupations	16	5,308
Farming, Fishing, and Forestry Occupations		284
Construction and Extraction Occupations	14	3,617
Installation, Maintenance, and Repair Occupations	4	1,512
Production Occupations	17	3,587
Transportation and Material Moving Occupations	8	2,266
Military Specific Occupations		456
Unknown Occupation Code	12	4,408

Source: Virginia Employment Commission, Characteristics of the Insured Unemployed, December 2014.

Unemployment Insurance Payments

Trends

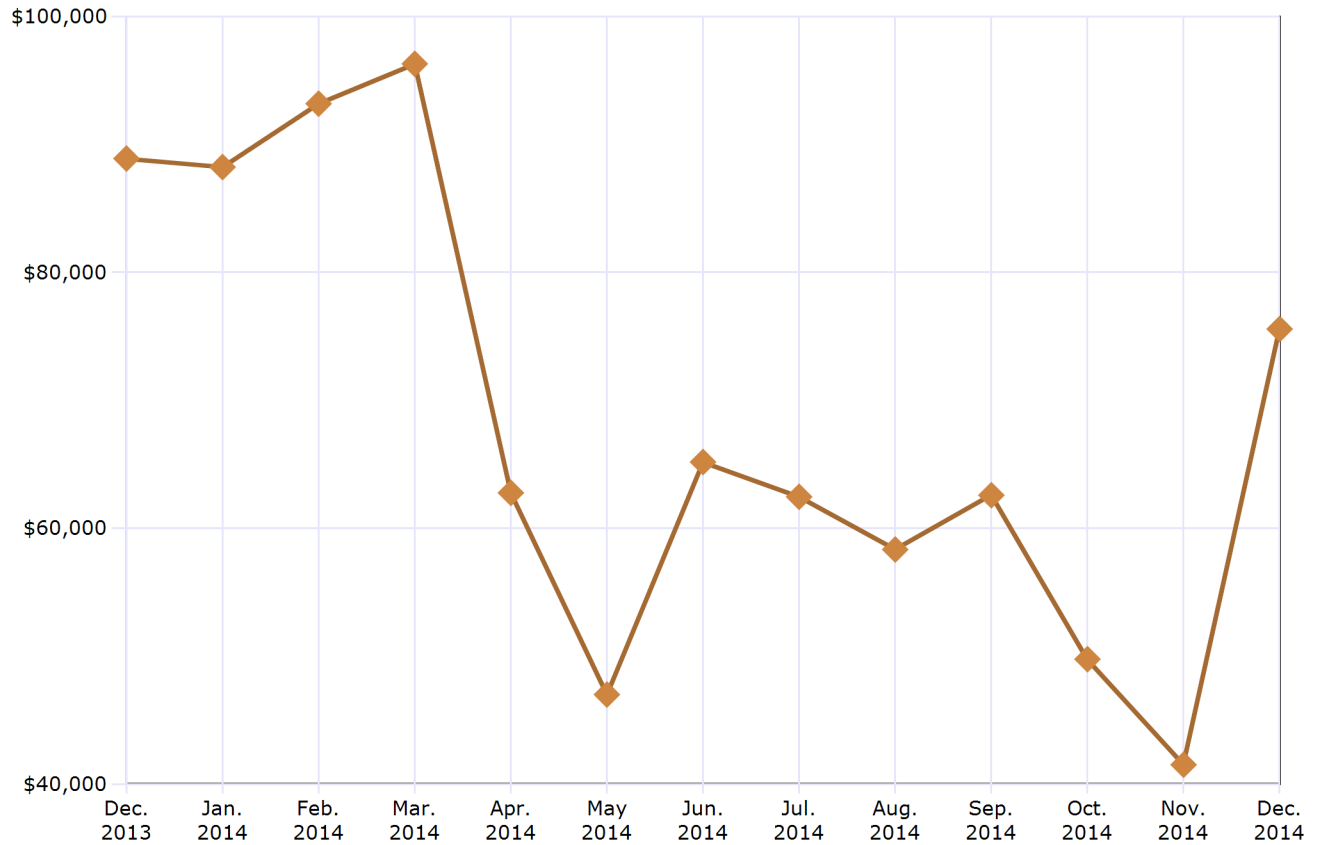


	Essex County		Virginia	
	Weeks Paid	Amount Paid	Weeks Paid	Amount Paid
2004	2,253	\$467,494	1,632,841	\$376,193,745
2005	3,122	\$670,960	1,382,659	\$327,192,126
2006	2,249	\$515,556	1,334,848	\$334,996,815
2007	2,122	\$499,741	1,384,335	\$364,789,088
2008	3,190	\$775,969	1,699,923	\$468,544,246
2009	6,134	\$1,524,611	3,782,630	\$1,069,206,277
2010	4,310	\$1,033,092	2,727,738	\$748,174,724
2011	3,835	\$951,212	2,242,341	\$612,702,314
2012	3,484	\$890,716	2,102,986	\$592,044,339
2013	3,117	\$773,284	1,999,039	\$574,074,609
2014	3,209	\$802,934	1,684,690	\$490,522,709

Source: Virginia Employment Commission, Unemployment Insurance Program.

Unemployment Insurance Payments

Past 12 Months



	Essex County		Virginia	
	Weeks Paid	Amount Paid	Weeks Paid	Amount Paid
Dec. 2013	332	\$88,903	175,554	\$51,204,975
Jan. 2014	327	\$88,234	172,776	\$49,358,566
Feb. 2014	340	\$93,190	166,054	\$47,757,242
Mar. 2014	347	\$96,306	179,222	\$52,288,569
Apr. 2014	238	\$62,772	139,013	\$40,908,085
May 2014	191	\$47,004	127,370	\$37,548,205
Jun. 2014	290	\$65,179	149,541	\$43,276,834
Jul. 2014	274	\$62,460	134,898	\$38,707,914
Aug. 2014	246	\$58,341	117,144	\$33,958,694
Sep. 2014	256	\$62,582	135,142	\$40,112,511
Oct. 2014	206	\$49,769	111,349	\$33,053,126
Nov. 2014	174	\$41,520	105,796	\$31,207,243
Dec. 2014	320	\$75,577	146,385	\$42,345,720

Source: Virginia Employment Commission, Unemployment Insurance Program.

Employers by Size of Establishment

	Essex County	Virginia
0 to 4 employees	0	0
5 to 9 employees	0	0
10 to 19 employees	0	0
20 to 49 employees	0	0
50 to 99 employees	0	0
100 to 249 employees	0	0
250 to 499 employees	0	0
500 to 999 employees	0	0
1000 and over employees	0	0
	0	0

Employment by Size of Establishment

	Essex County	Virginia
0 to 4 employees	0	0
5 to 9 employees	0	0
10 to 19 employees	0	0
20 to 49 employees	0	0
50 to 99 employees	0	0
100 to 249 employees	0	0
250 to 499 employees	0	0
500 to 999 employees	0	0
1000 and over employees	0	0
	0	0

Note: Asterisks (***) indicate non-disclosable data.

'Zero; no employment' typically represents new startup firms or sole-proprietorships.

Source: Virginia Employment Commission,
Quarterly Census of Employment and Wages (QCEW), 2nd Quarter (April, May, June) 2014.

50 Largest Employers

Source: Virginia Employment Commission,
Quarterly Census of Employment and Wages (QCEW), 2nd Quarter (April, May, June) 2014.

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Employment by Industry

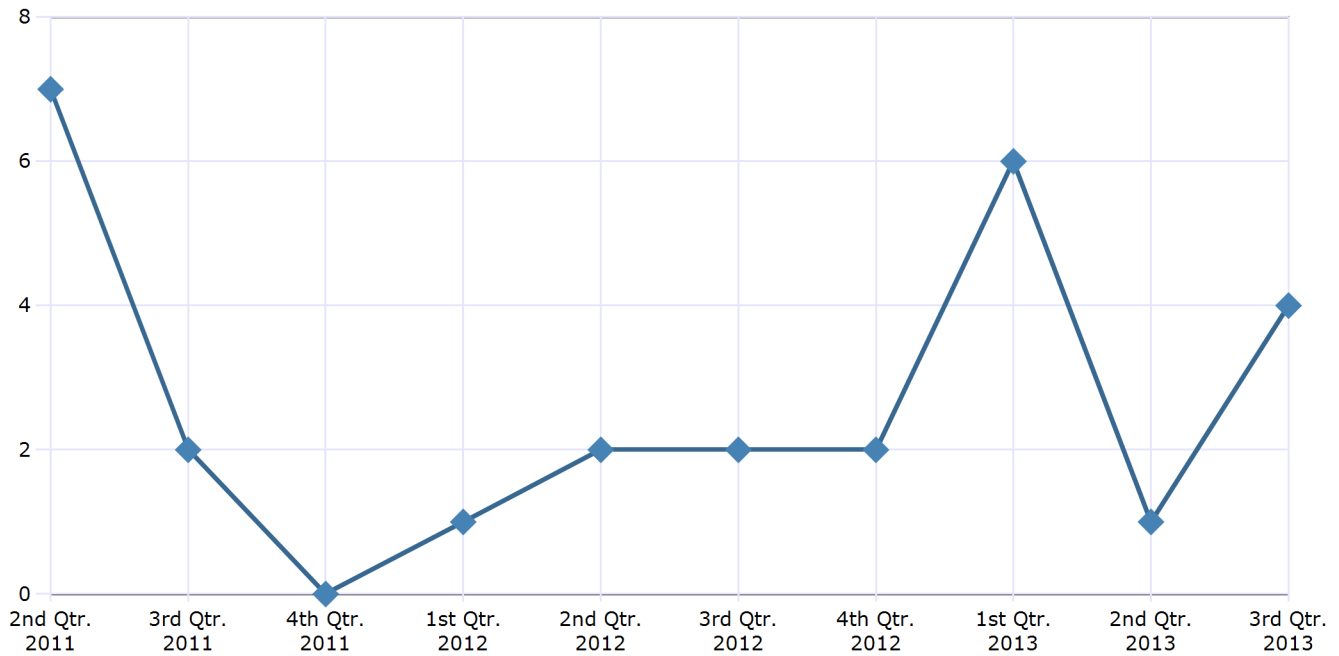


Total: 0

Note: Asterisk (*) indicates non-disclosable data.

Source: Virginia Employment Commission, Quarterly Census of Employment and Wages (QCEW), 2nd Quarter (April, May, June) 2014.

New Startup Firms

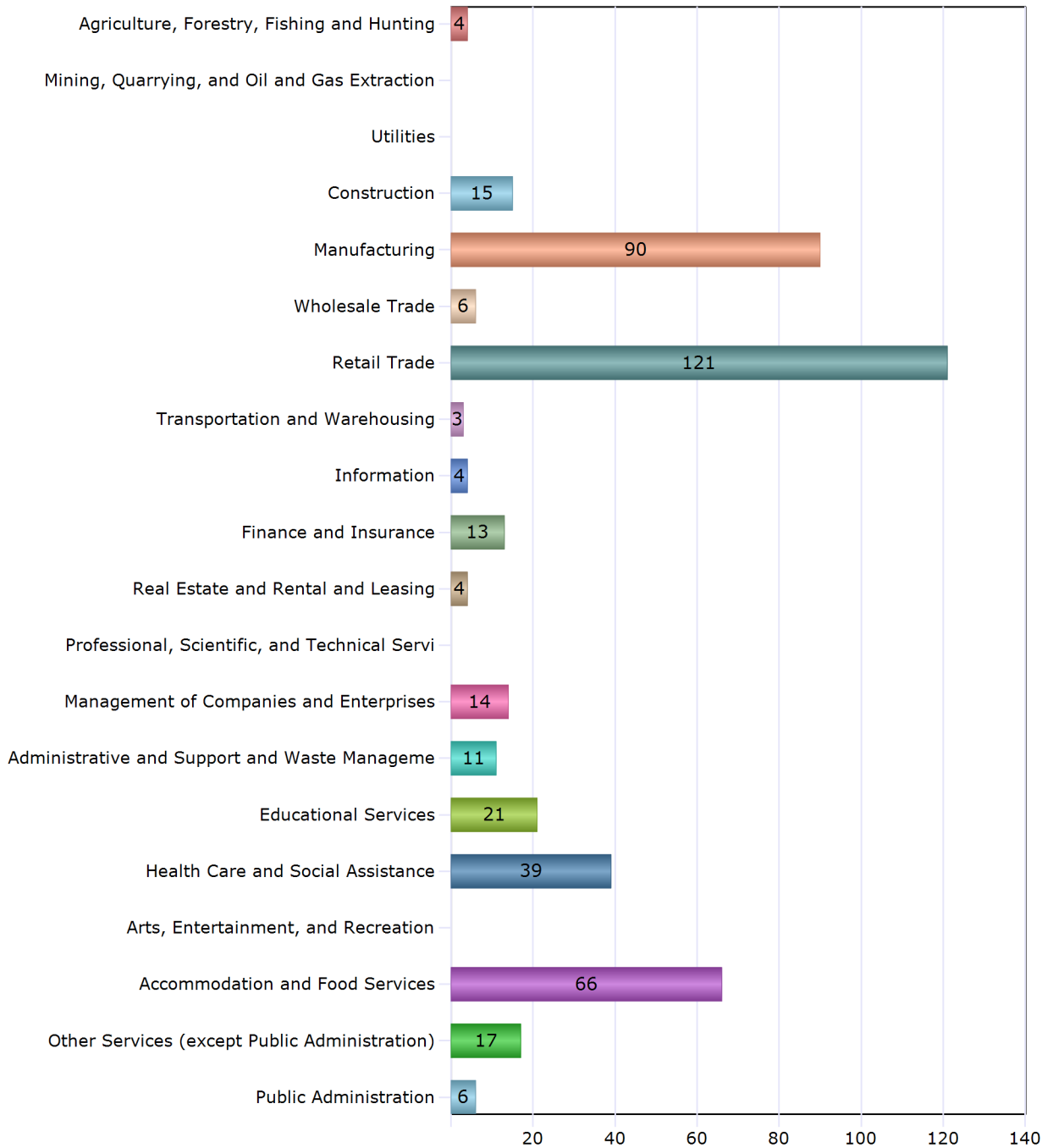


	Essex County	Virginia
2nd Qtr. 2011	7	3,017
3rd Qtr. 2011	2	2,405
4th Qtr. 2011		2,518
1st Qtr. 2012	1	3,079
2nd Qtr. 2012	2	2,506
3rd Qtr. 2012	2	3,977
4th Qtr. 2012	2	2,999
1st Qtr. 2013	6	3,238
2nd Qtr. 2013	1	1,538
3rd Qtr. 2013	4	2,792

Note: The following criteria was used to define new startup firms:
 1.) Setup and liability date both occurred during 2nd Quarter (April, May, June) 2014
 2.) Establishment had no predecessor UI Account Number
 3.) Private Ownership
 4.) Average employment is less than 250
 5.) For multi-unit establishments, the parent company must also meet the above criteria.

Source: Virginia Employment Commission, Quarterly Census of Employment and Wages (QCEW), 2nd Quarter (April, May, June) 2014.

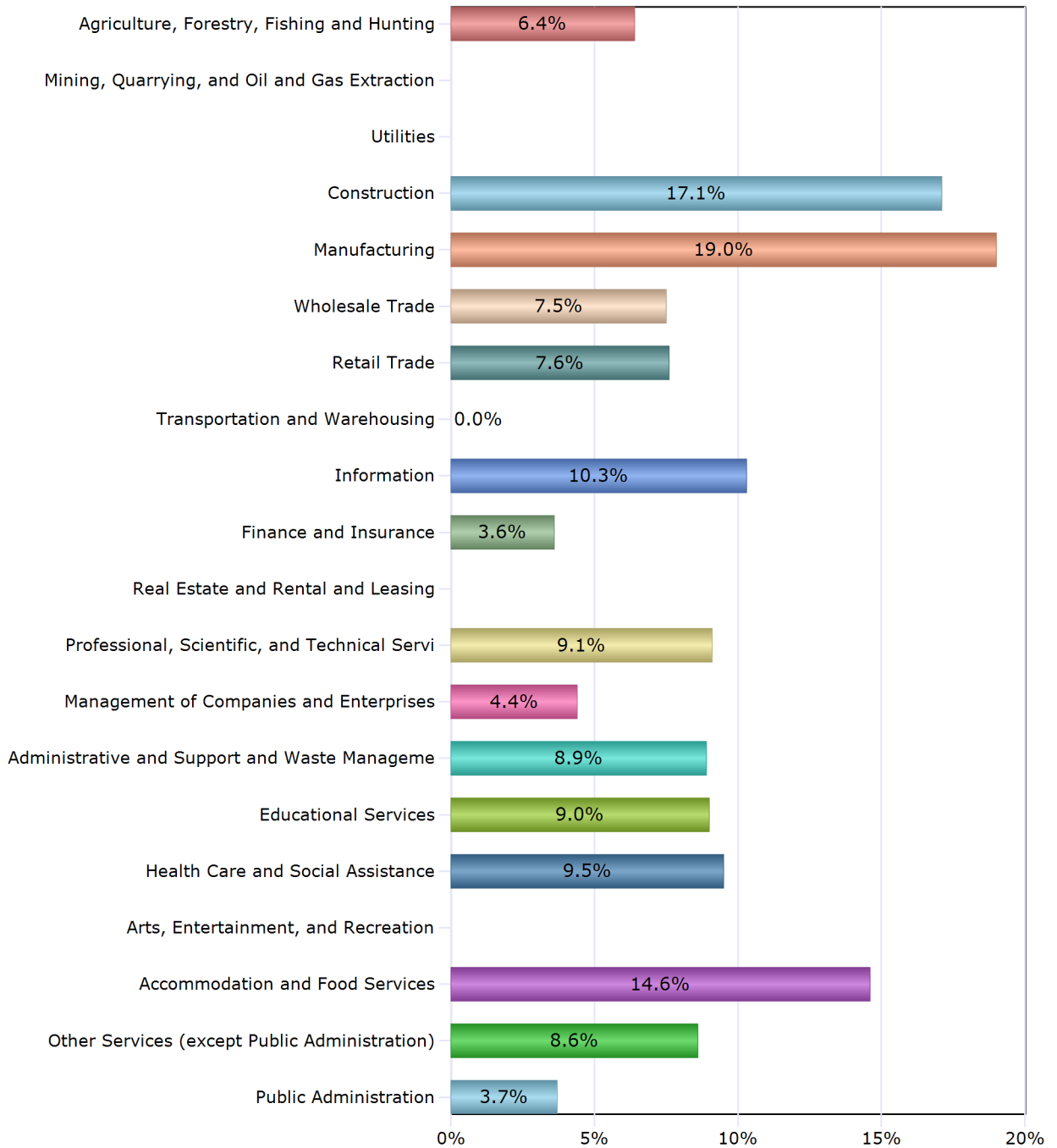
New Hires by Industry



Total: 4

Source: U.S. Census Bureau, Local Employment Dynamics (LED) Program, 4th Quarter (October, November, December) 2013, all ownerships.

Turnover by Industry



Average: 6.4%

Source: U.S. Census Bureau, Local Employment Dynamics (LED) Program, 3rd Quarter (July, August, September) 2013, all ownerships.

Average Weekly Wage by Industry



Note: Asterisk (*) indicates non-disclosable data.

Source: Virginia Employment Commission, Quarterly Census of Employment and Wages (QCEW), 2nd Quarter (April, May, June) 2014.

Age of Workers by Industry

	14–18	19–21	22–24	25–34	35–44	45–54	55–64	65+
Total, All Industries	78	200	257	719	699	848	689	295
Agriculture, Forestry, Fishing and Hunting			5	14	16	12	10	7
Mining, Quarrying, and Oil and Gas Extraction								
Utilities								
Construction		5	5	23	16	22	12	5
Manufacturing		24	32	96	85	128	88	29
Wholesale Trade		6	8	19	25	38	29	16
Retail Trade	26	67	64	144	133	154	129	55
Transportation and Warehousing								5
Information			6	7	6	4	8	8
Finance and Insurance		7	12	55	38	50	40	17
Real Estate and Rental and Leasing		3	4	18	21	15	6	
Professional, Scientific, and Technical Services			2	6	8	11	16	6
Management of Companies and Enterprises		6	11	37	42	37	35	12
Administrative and Support and Waste Management		4	9	15	8	29	15	9
Educational Services			8	59	65	89	84	34
Health Care and Social Assistance		10	28	96	110	113	113	31
Arts, Entertainment, and Recreation	3			4	5	9	4	8
Accommodation and Food Services	37	55	43	81	56	49	25	13
Other Services (except Public Administration)		4	12	19	24	45	30	19
Public Administration		3	6	24	39	42	43	20

Source: U.S. Census Bureau, Local Employment Dynamics (LED) Program, 4th Quarter (October, November, December) 2013, all ownerships.

What is LED?

Developed by the U.S. Census Bureau, the Local Employment Dynamics (LED) program merges Virginia's Unemployment Compensation wage and employer records with Census demographic data. Read more about LED on the following website:

<http://lehd.did.census.gov/led/>



Industry Employment and Projections

Long Term

	Employment			Percent	
	Estimated 2012	Projected 2022	Change	Total	Annual
Total, All Industries	162,160	189,818	27,658	17.06%	1.59%
Agriculture, Forestry, Fishing and Hunting	469	525	56	11.94%	1.13%
Mining, Quarrying, and Oil and Gas Extraction	186	185	-1	-.54%	-.05%
Utilities	509	452	-57	-11.2%	-1.18%
Construction	7,051	9,070	2,019	28.63%	2.55%
Manufacturing	8,607	8,468	-139	-1.62%	-.16%
Wholesale Trade	4,312	4,655	343	7.95%	.77%
Retail Trade	21,622	23,700	2,078	9.61%	.92%
Transportation and Warehousing	3,112	3,379	267	8.58%	.83%
Information	1,543	1,473	-70	-4.54%	-.46%
Finance and Insurance	7,330	9,246	1,916	26.14%	2.35%
Real Estate and Rental and Leasing	1,616	1,808	192	11.88%	1.13%
Professional, Scientific, and Technical Services	9,436	12,577	3,141	33.29%	2.92%
Management of Companies and Enterprises	1,934	1,780	-154	-7.96%	-.83%
Administrative and Support and Waste Management	4,526	5,360	834	18.43%	1.71%
Educational Services	17,456	20,035	2,579	14.77%	1.39%
Health Care and Social Assistance	19,072	25,807	6,735	35.31%	3.07%
Arts, Entertainment, and Recreation	1,989	2,282	293	14.73%	1.38%
Accommodation and Food Services	15,616	20,761	5,145	32.95%	2.89%
Other Services (except Public Administration)	5,476	6,489	1,013	18.5%	1.71%

Note: Asterisks (***) indicate non-disclosable data.
Projections data is for Bay Consortium (LWIA XIII). No data available for Essex County.

Source: Virginia Employment Commission,
Long Term Industry and Occupational Projections, 2012-2022.

Industry Employment and Projections

Short Term

	Employment			Percent	
	Estimated 2013	Projected 2015	Change	Total	Annual
Total, All Industries	3,918,959	4,014,482	95,523	2.44%	1.21%
Agriculture, Forestry, Fishing and Hunting	3,777	3,892	115	3.04%	1.51%
Mining, Quarrying, and Oil and Gas Extraction	8,239	7,487	-752	-9.13%	-4.67%
Utilities	10,465	10,121	-344	-3.29%	-1.66%
Construction	178,005	182,734	4,729	2.66%	1.32%
Manufacturing	230,577	232,591	2,014	.87%	.44%
Wholesale Trade	111,283	112,076	793	.71%	.36%
Retail Trade	405,506	415,634	10,128	2.5%	1.24%
Transportation and Warehousing	104,725	106,919	2,194	2.1%	1.04%
Information	71,020	70,546	-474	-.67%	-.33%
Finance and Insurance	128,643	131,175	2,532	1.97%	.98%
Real Estate and Rental and Leasing	51,735	52,434	699	1.35%	.67%
Professional, Scientific, and Technical Servi Management of Companies and Enterprises	394,809	405,135	10,326	2.62%	1.3%
Administrative and Support and Waste Manageme	76,010	79,964	3,954	5.2%	2.57%
Administrative and Support and Waste Manageme	210,219	218,315	8,096	3.85%	1.91%
Educational Services	368,069	378,493	10,424	2.83%	1.41%
Health Care and Social Assistance	412,655	429,192	16,537	4.01%	1.98%
Arts, Entertainment, and Recreation	53,943	56,330	2,387	4.43%	2.19%
Accommodation and Food Services	320,291	331,702	11,411	3.56%	1.77%
Other Services (except Public Administration)	131,746	135,144	3,398	2.58%	1.28%

*Note: Asterisks (***) indicate non-disclosable data.
Projections data is for Virginia Statewide. No data available for Essex County.*

*Source: Virginia Employment Commission,
Short Term Industry and Occupational Projections, 2013-2015.*

Occupation Employment and Projections

Long Term

	Employment			Openings		
	Estimated 2012	Projected 2022	% Change	Replace-ments	Growth	Total
Total, All Occupations	162,160	189,818	17.06%	3,932	2,854	6,786
Management Occupations	6,734	7,527	11.78%	138	84	222
Business and Financial Operations Occupations	6,310	7,187	13.9%	119	90	209
Computer and Mathematical Occupations	5,852	7,232	23.58%	94	142	236
Architecture and Engineering Occupations	4,029	4,156	3.15%	93	21	114
Life, Physical, and Social Science Occupations	1,452	1,511	4.06%	37	11	48
Community and Social Service Occupations	2,038	2,419	18.69%	46	38	84
Legal Occupations	791	892	12.77%	13	11	24
Education, Training, and Library Occupations	12,835	14,987	16.77%	274	215	489
Arts, Design, Entertainment, Sports, and Media Occupations	1,791	1,991	11.17%	42	22	64
Healthcare Practitioners and Technical Occupations	7,795	10,263	31.66%	168	247	415
Healthcare Support Occupations	3,717	5,182	39.41%	72	146	218
Protective Service Occupations	3,574	3,946	10.41%	111	37	148
Food Preparation and Serving Related Occupations	15,006	19,996	33.25%	588	499	1,087
Building and Grounds Cleaning and Maintenance Occupations	10,578	13,051	23.38%	213	248	461
Personal Care and Service Occupations	8,610	10,902	26.62%	168	230	398
Sales and Related Occupations	18,210	19,841	8.96%	588	164	752
Office and Administrative Support Occupations	21,433	23,729	10.71%	497	255	752
Farming, Fishing, and Forestry Occupations	1,184	1,129	-4.65%	29	3	32
Construction and Extraction Occupations	6,608	8,097	22.53%	109	149	258
Installation, Maintenance, and Repair Occupations	7,219	8,166	13.12%	170	97	267
Production Occupations	5,864	6,010	2.49%	131	32	163
Transportation and Material Moving Occupations	10,530	11,604	10.2%	234	110	344

Note: Asterisks (***) indicate non-disclosable data.
Projections data is for Bay Consortium (LWIA XIII). No data available for Essex County.

Source: Virginia Employment Commission,
Long Term Industry and Occupational Projections, 2012-2022.

Occupation Employment and Projections

Short Term

	Employment			Openings		
	Estimated 2013	Projected 2015	% Change	Replacements	Growth	Total
Total, All Occupations	3,918,959	4,014,482	2.44%	91,760	49,204	140,964
Management Occupations	221,087	225,315	1.91%	4,030	2,128	6,158
Business and Financial Operations Occupations	266,358	274,303	2.98%	4,767	3,972	8,739
Computer and Mathematical Occupations	205,050	210,598	2.71%	2,804	2,779	5,583
Architecture and Engineering Occupations	80,439	80,646	.26%	1,761	322	2,083
Life, Physical, and Social Science Occupations	31,231	31,815	1.87%	842	297	1,139
Community and Social Service Occupations	54,135	56,219	3.85%	1,158	1,042	2,200
Legal Occupations	42,670	43,602	2.18%	630	466	1,096
Education, Training, and Library Occupations	241,058	248,189	2.96%	4,770	3,566	8,336
Arts, Design, Entertainment, Sports, and Media Occupations	67,236	68,937	2.53%	1,488	866	2,354
Healthcare Practitioners and Technical Occupations	197,348	203,426	3.08%	3,650	3,039	6,689
Healthcare Support Occupations	91,625	95,342	4.06%	1,590	1,858	3,448
Protective Service Occupations	103,725	106,179	2.37%	2,967	1,227	4,194
Food Preparation and Serving Related Occupations	318,437	330,498	3.79%	14,528	6,030	20,558
Building and Grounds Cleaning and Maintenance Occupations	151,286	155,968	3.09%	2,892	2,341	5,233
Personal Care and Service Occupations	149,256	156,039	4.54%	3,129	3,403	6,532
Sales and Related Occupations	391,117	398,067	1.78%	12,988	3,513	16,501
Office and Administrative Support Occupations	550,657	559,403	1.59%	12,168	4,971	17,139
Farming, Fishing, and Forestry Occupations	7,343	7,442	1.35%	182	73	255
Construction and Extraction Occupations	184,970	188,551	1.94%	3,011	1,899	4,910
Installation, Maintenance, and Repair Occupations	152,495	155,223	1.79%	3,427	1,433	4,860
Production Occupations	182,096	184,518	1.33%	3,715	1,476	5,191
Transportation and Material Moving Occupations	229,340	234,202	2.12%	5,264	2,502	7,766

Note: Asterisks (***) indicate non-disclosable data.
Projections data is for Virginia Statewide. No data available for Essex County.

Source: Virginia Employment Commission,
Short Term Industry and Occupational Projections, 2013-2015.

Growth Occupations

	Employment			Average Annual Openings			Average Annual Salary
	Estimated 2012	Projected 2022	% Change	Replacements	Growth	Total	
Physical Therapist Aides	169	299	76.92%	4	13	17	\$25,717
Airline Pilots, Copilots, and Flight Engineers	***	***	***	***	***	***	N/A
Physical Therapist Assistants	140	241	72.14%	3	10	13	\$43,854
Nurse Anesthetists	68	117	72.06%	1	5	6	\$241,851
Dental Hygienists	200	331	65.5%	5	13	18	\$80,449
Physician Assistants	***	***	***	***	***	***	\$98,105
Physical Therapists	293	471	60.75%	7	18	25	\$77,440
Occupational Therapists	144	228	58.33%	2	8	10	\$74,395
Dental Assistants	333	517	55.26%	7	18	25	\$37,817
Emergency Medical Technicians and Paramedics	555	851	53.33%	15	30	45	\$29,495
Telemarketers	***	***	***	***	***	***	\$25,535
Personal Care Aides	2,261	3,442	52.23%	16	118	134	\$20,270
Nurse Practitioners	98	149	52.04%	2	5	7	\$101,423
Information Security Analysts	321	487	51.71%	5	17	22	\$91,119
Home Health Aides	347	511	47.26%	7	16	23	\$22,567
Cooks, Restaurant	1,522	2,179	43.17%	30	66	96	\$23,927
Animal Trainers	264	375	42.05%	12	11	23	\$22,876
Dentists, General	146	206	41.1%	4	6	10	\$223,417
Industrial Engineering Technicians	***	***	***	***	***	***	N/A
Meeting, Convention, and Event Planners	95	133	40%	1	4	5	\$55,078

Note: Asterisks (***) indicate non-disclosable data.

Projections and OES wage data are for Bay Consortium (LWIA XIII). No data available for Essex County.

Source: Virginia Employment Commission, Long Term Industry and Occupational Projections, 2012-2022 Occupational Employment Statistics (OES) Survey, 2013.

Declining Occupations

	Employment			Openings		
	Estimated 2012	Projected 2022	% Change	Replacements	Growth	Total
Postal Service Clerks	112	83	-25.89%	2	0	2
Data Entry Keyers	197	150	-23.86%	2	0	2
Postal Service Mail Carriers	366	293	-19.95%	13	0	13
Fishers and Related Fishing Workers	***	***	***	***	***	***
Mail Clerks and Mail Machine Operators, Except Postal Service	103	90	-12.62%	2	0	2
Information and Record Clerks, All Other	225	202	-10.22%	5	0	5
Paper Goods Machine Setters, Operators, and Tenders	***	***	***	***	***	***
Computer Occupations, All Other	446	407	-8.74%	7	0	7
Physicists	***	***	***	***	***	***
Social Scientists and Related Workers, All Other	199	183	-8.04%	3	0	3
Engineering Technicians, Except Drafters, All Other	245	226	-7.76%	5	0	5
Legal Support Workers, All Other	118	109	-7.63%	2	0	2
Financial Specialists, All Other	157	146	-7.01%	2	0	2
Human Resources Assistants, Except Payroll and Timekeeping	131	123	-6.11%	3	0	3
Engineers, All Other	453	429	-5.3%	8	0	8
Computer Hardware Engineers	166	158	-4.82%	4	0	4
Aerospace Engineers	227	218	-3.96%	5	0	5
Electronics Engineers, Except Computer	581	561	-3.44%	13	0	13
Industrial Truck and Tractor Operators	548	530	-3.28%	13	0	13
Electrical Power-Line Installers and Repairers	145	141	-2.76%	5	0	5

Note: Asterisks (***) indicate non-disclosable data.
Projections data is for Bay Consortium (LWIA XIII). No data available for Essex County.

Source: Virginia Employment Commission,
Long Term Industry and Occupational Projections, 2012-2022.

Consumer Price Index (CPI)

All Urban Consumers (CPI-U)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Ann.	% chg
2004	185.200	186.200	187.400	188.000	189.100	189.700	189.400	189.500	189.900	190.900	191.000	190.300	188.900	2.7
2005	190.700	191.800	193.300	194.600	194.400	194.500	195.400	196.400	198.800	199.200	197.600	196.800	195.300	3.4
2006	198.300	198.700	199.800	201.500	202.500	202.900	203.500	203.900	202.900	201.800	201.500	201.800	201.600	3.2
2007	202.416	203.499	205.352	206.686	207.949	208.352	208.299	207.917	208.490	208.936	210.177	210.036	207.342	2.8
2008	211.080	211.693	213.528	214.823	216.632	218.815	219.964	219.086	218.783	216.573	212.425	210.228	215.303	3.8
2009	211.143	212.193	212.709	213.240	213.856	215.693	215.351	215.834	215.969	216.177	216.330	215.949	214.537	-0.4
2010	216.687	216.741	217.631	218.009	218.178	217.965	218.011	218.312	218.439	218.711	218.803	219.179	218.056	1.6
2011	220.223	221.309	223.467	224.906	225.964	225.722	225.922	226.545	226.889	226.421	226.230	225.672	224.939	3.2
2012	226.665	227.663	229.392	230.085	229.815	229.478	229.104	230.379	231.407	231.317	230.221	229.601	229.594	2.1
2013	230.280	232.166	232.773	232.531	232.945	233.504	233.596	233.877	234.149	233.546	233.069	233.049	232.957	1.5
2014	233.916	234.781	236.293	237.072	237.900	238.343	238.250	237.852	238.031	237.433	236.151			

Urban Wage Earners and Clerical Workers (CPI-W)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Ann.	% chg
2004	180.900	181.900	182.900	183.500	184.700	185.300	184.900	185.000	185.400	186.500	186.800	186.000	184.500	2.6
2005	186.300	187.300	188.600	190.200	190.000	190.100	191.000	192.100	195.000	195.200	193.400	192.500	191.000	3.5
2006	194.000	194.200	195.300	197.200	198.200	198.600	199.200	199.600	198.400	197.000	196.800	197.200	197.100	3.2
2007	197.559	198.544	200.612	202.130	203.661	203.906	203.700	203.199	203.889	204.338	205.891	205.777	202.767	2.9
2008	206.744	207.254	209.147	210.698	212.788	215.223	216.304	215.247	214.935	212.182	207.296	204.813	211.053	4.1
2009	205.700	206.708	207.218	207.925	208.774	210.972	210.526	211.156	211.322	211.549	212.003	211.703	209.630	-0.7
2010	212.568	212.544	213.525	213.958	214.124	213.839	213.898	214.205	214.306	214.623	214.750	215.262	213.967	2.1
2011	216.400	217.535	220.024	221.743	222.954	222.522	222.686	223.326	223.688	223.043	222.813	222.166	221.575	3.6
2012	223.216	224.317	226.304	227.012	226.600	226.036	225.568	227.056	228.184	227.974	226.595	225.889	226.229	2.1
2013	226.520	228.677	229.323	228.949	229.399	230.002	230.084	230.359	230.537	229.735	229.133	229.174	229.324	1.4
2014	230.040	230.871	232.560	233.443	234.216	234.702	234.525	234.030	234.170	233.229	231.551			

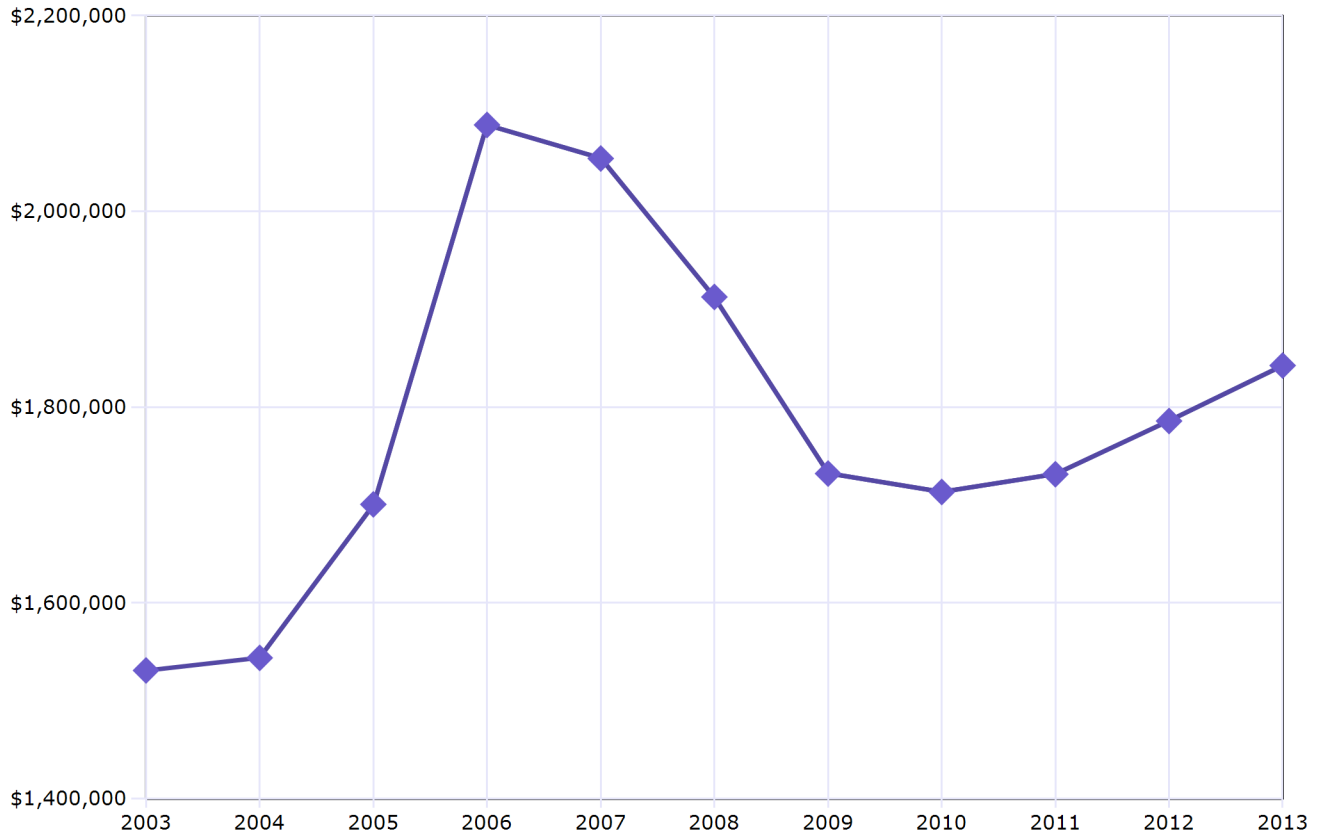
Note: CPI data is for the United States only. No data available for Essex County.

The CPI-U includes expenditures by urban wage earners and clerical workers, professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, retirees and others not in the labor force. The CPI-W only includes expenditures by those in hourly wage earning or clerical jobs.

Source: Bureau of Labor Statistics,
Consumer Price Indexes (CPI) Program.

Local Option Sales Tax

Trends

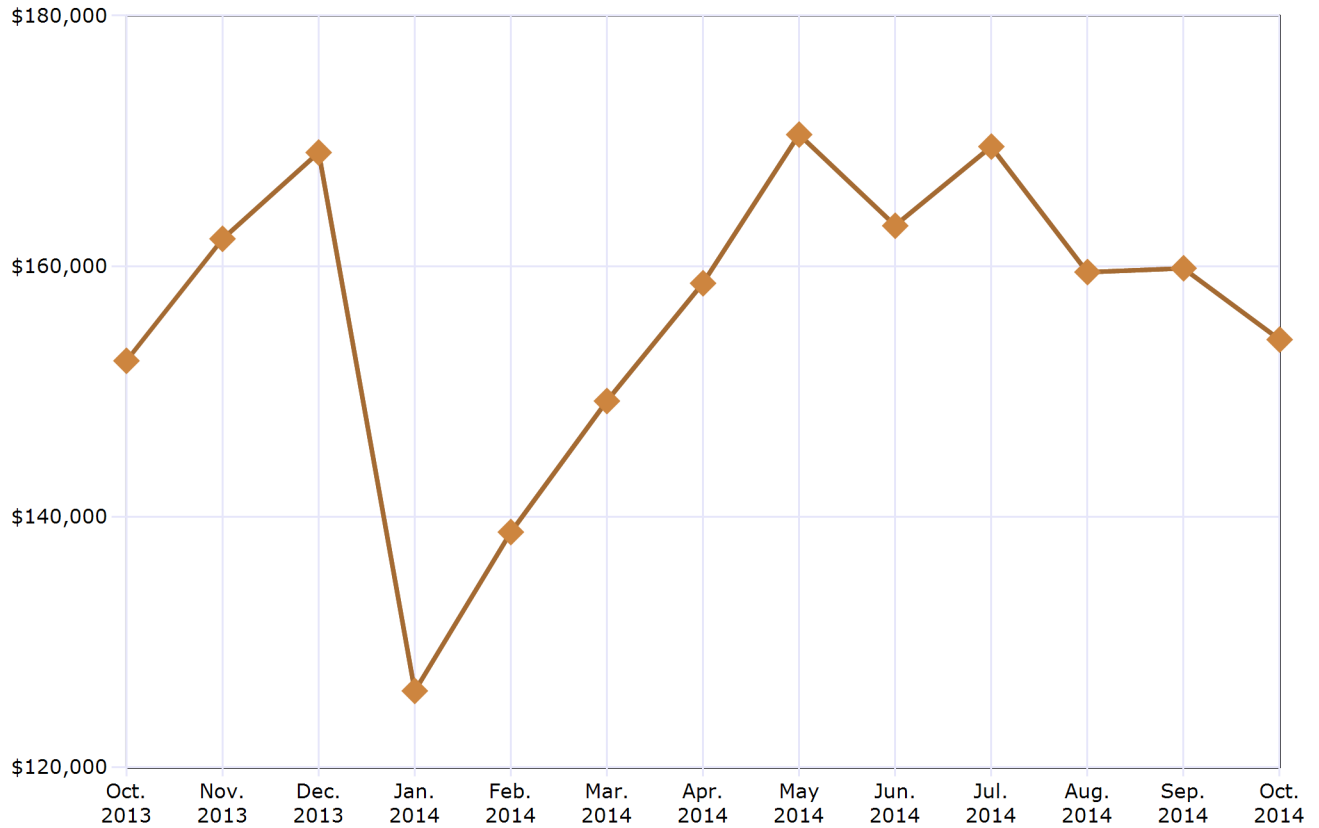


	Essex County	Virginia
2003	\$1,531,070	\$838,275,059
2004	\$1,543,924	\$914,499,686
2005	\$1,700,716	\$976,923,577
2006	\$2,088,394	\$1,028,544,074
2007	\$2,054,070	\$1,056,766,678
2008	\$1,912,636	\$1,032,815,078
2009	\$1,732,222	\$979,594,664
2010	\$1,713,418	\$992,820,512
2011	\$1,731,516	\$1,035,981,229
2012	\$1,785,918	\$1,080,663,042
2013	\$1,842,603	\$1,093,292,668

Note: This data is based on Virginia sales tax revenues deposited, rather than the actual taxable sales figures as reported on a dealer's return.

Source: Virginia Department of Taxation, Revenue Forecasting.

Local Option Sales Tax Past 12 Months



	Essex County	Virginia
Oct. 2013	\$152,457	\$96,556,090
Nov. 2013	\$162,193	\$89,492,740
Dec. 2013	\$169,082	\$101,384,261
Jan. 2014	\$126,112	\$81,197,494
Feb. 2014	\$138,787	\$80,916,394
Mar. 2014	\$149,247	\$93,207,955
Apr. 2014	\$158,643	\$92,861,402
May 2014	\$170,511	\$96,341,065
Jun. 2014	\$163,235	\$97,618,031
Jul. 2014	\$169,555	\$93,914,532
Aug. 2014	\$159,538	\$94,884,588
Sep. 2014	\$159,843	\$96,246,821
Oct. 2014	\$154,150	\$97,664,199

Note: This data is based on Virginia sales tax revenues deposited, rather than the actual taxable sales figures as reported on a dealer's return.

Source: Virginia Department of Taxation, Revenue Forecasting.

IV. Education Profile

Overview

The Education Profile for Essex County provides an assortment of data collected from the United States Census Bureau and the National Center for Education Statistics (NCES).



Related Terms and Definitions

Associate's degree

An award that normally requires at least two but less than four years of full-time equivalent college work.

Bachelor's degree

An award that normally requires at least four but not more than five years of full-time equivalent college-level work.

Post-baccalaureate certificate

An award that requires completion of an organized program of study equivalent to 18 semester credit hours beyond the bachelor's. It is designed for persons who have completed a bachelor's degree, but do not meet the requirements of a master's degree.

Master's degree

An award that requires the successful completion of a program of study of at least the full-time equivalent of one but not more than two academic years of work beyond the bachelor's degree.

Post-master's certificate

An award that requires completion of an organized program of study equivalent to 24 semester credit hours beyond the master's degree, but does not meet the requirements of academic degrees at the doctor's level.

Doctor's degree

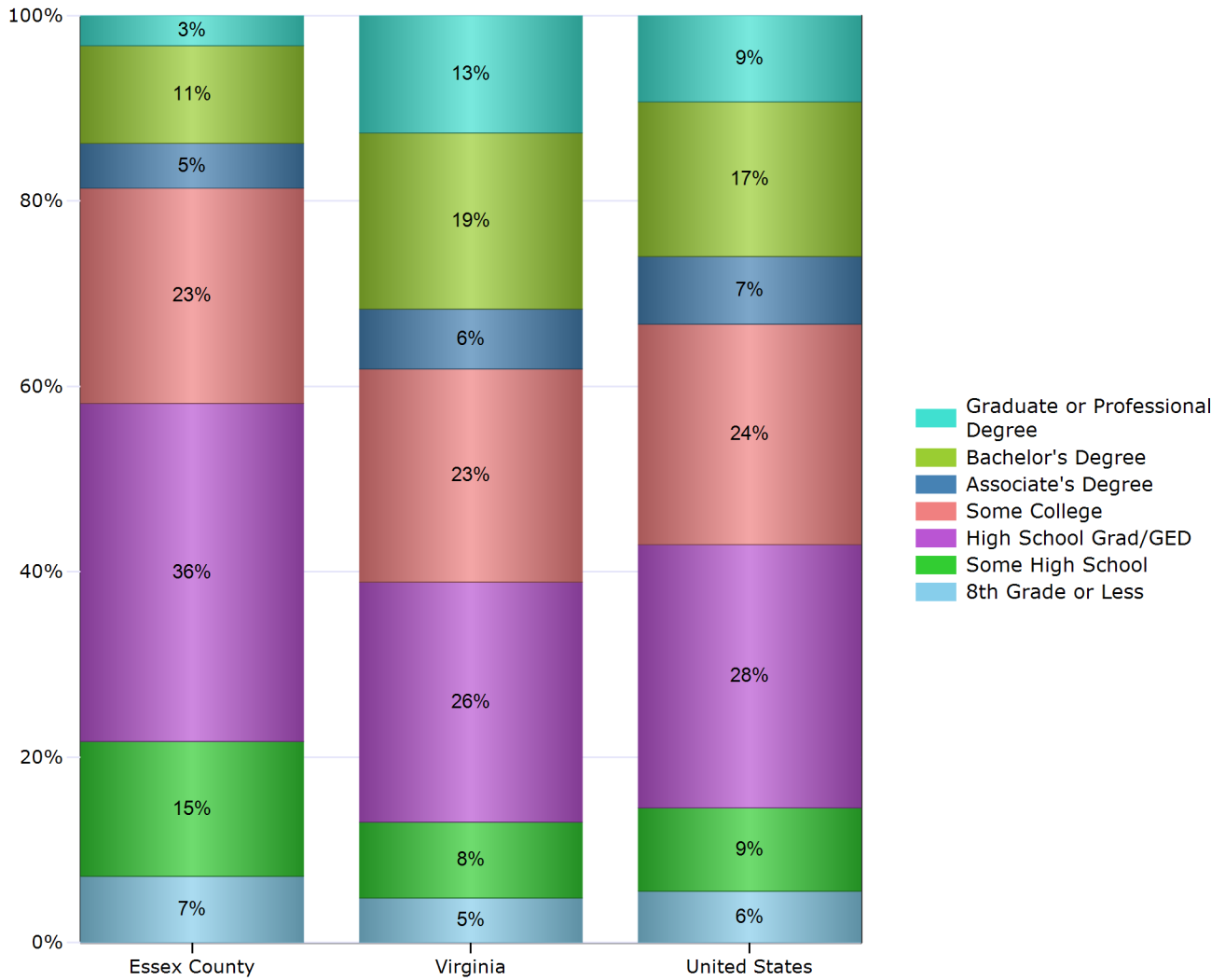
The highest award a student can earn for graduate study.

First-professional degree

An award that requires completion of a program that meets all of the following criteria: (1) completion of the academic requirements to begin practice in the profession; (2) at least two years of college work prior to entering the program; and (3) a total of at least six academic years of college work to complete the degree program, including prior required college work plus the length of the professional program itself.

Educational Attainment

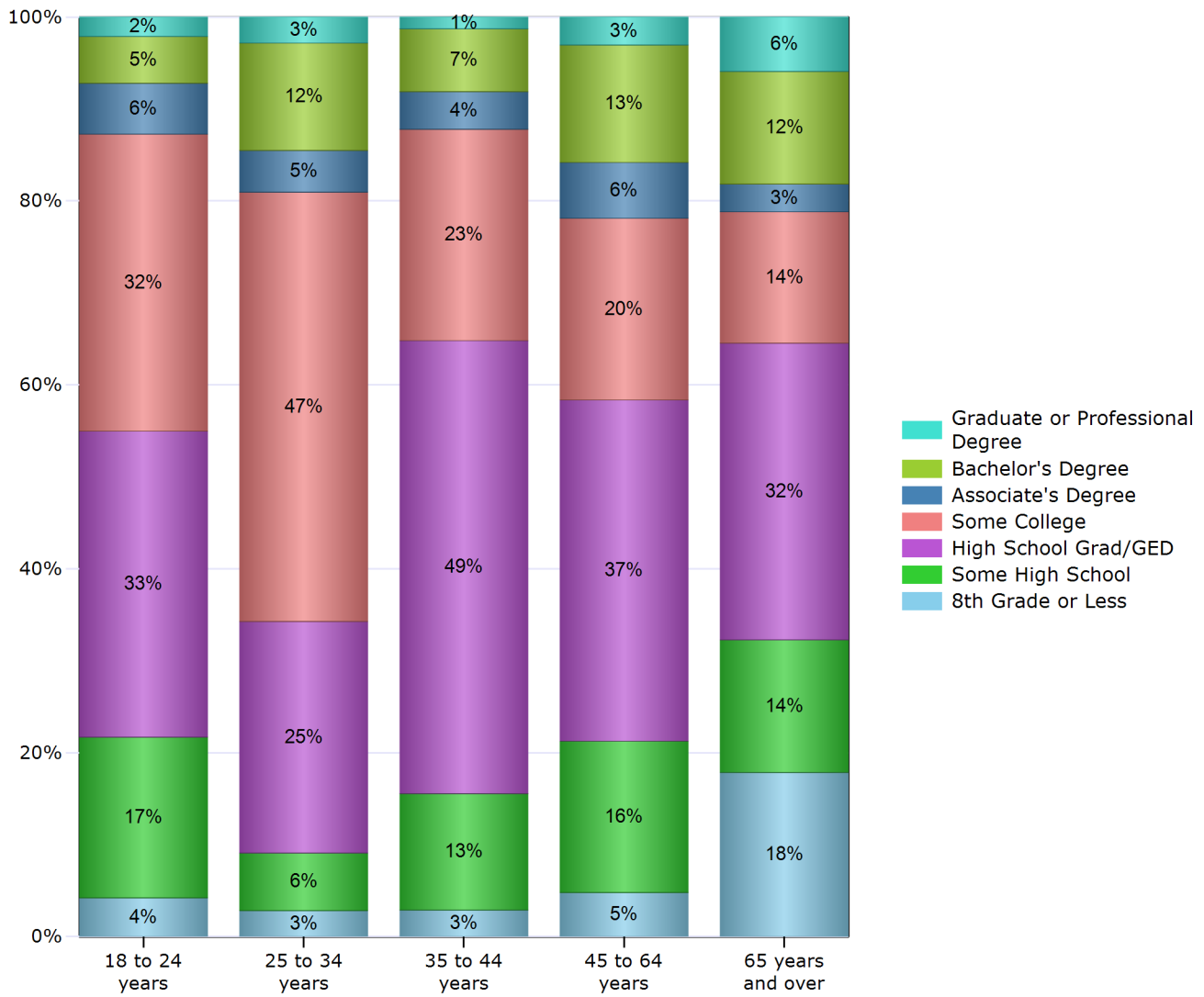
(Population 18 years and over)



	Essex County	Virginia	United States
8th Grade or Less	626	297,279	13,040,191
Some High School	1,271	504,215	21,121,603
High School Grad/GED	3,189	1,596,914	66,827,549
Some College	2,029	1,416,703	55,919,419
Associate's Degree	423	399,477	17,165,191
Bachelor's Degree	921	1,171,792	39,208,343
Graduate or Professional Degree	284	779,862	21,876,556
	8,743	6,166,242	235,158,852

Source: U.S. Census Bureau
American Community Survey, 2008-2012.

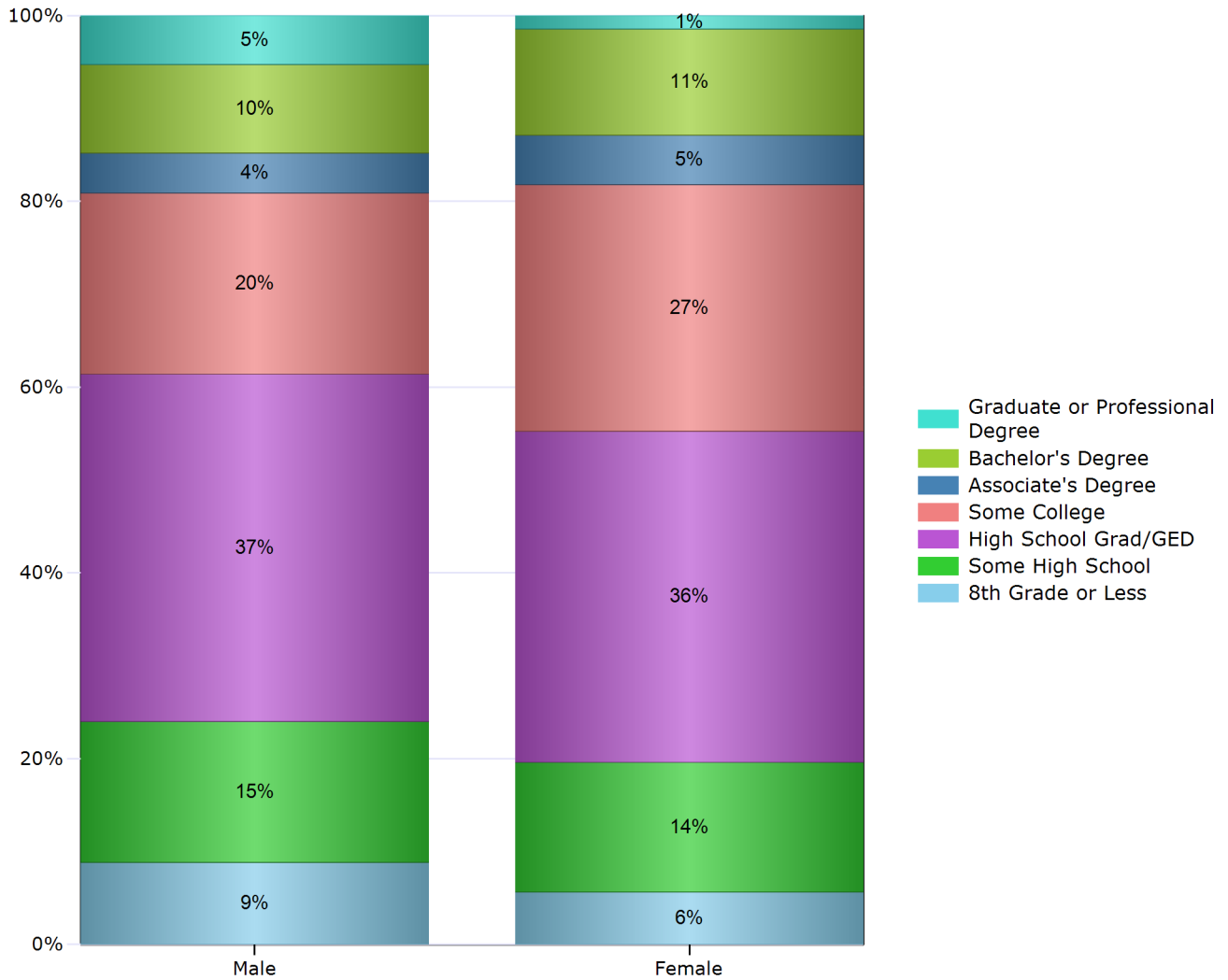
Educational Attainment by Age



	18 - 24	25 - 34	35 - 44	45 - 64	65+	Total
8th Grade or Less	48	23	43	159	353	626
Some High School	199	51	189	547	285	1,271
High School Grad/GED	379	205	735	1,232	638	3,189
Some College	368	380	343	656	282	2,029
Associate's Degree	63	37	61	202	60	423
Bachelor's Degree	58	95	102	424	242	921
Graduate or Professional Degree	24	23	19	101	117	284
	1,139	814	1,492	3,321	1,977	8,743

Source: U.S. Census Bureau
American Community Survey, 2008-2012.

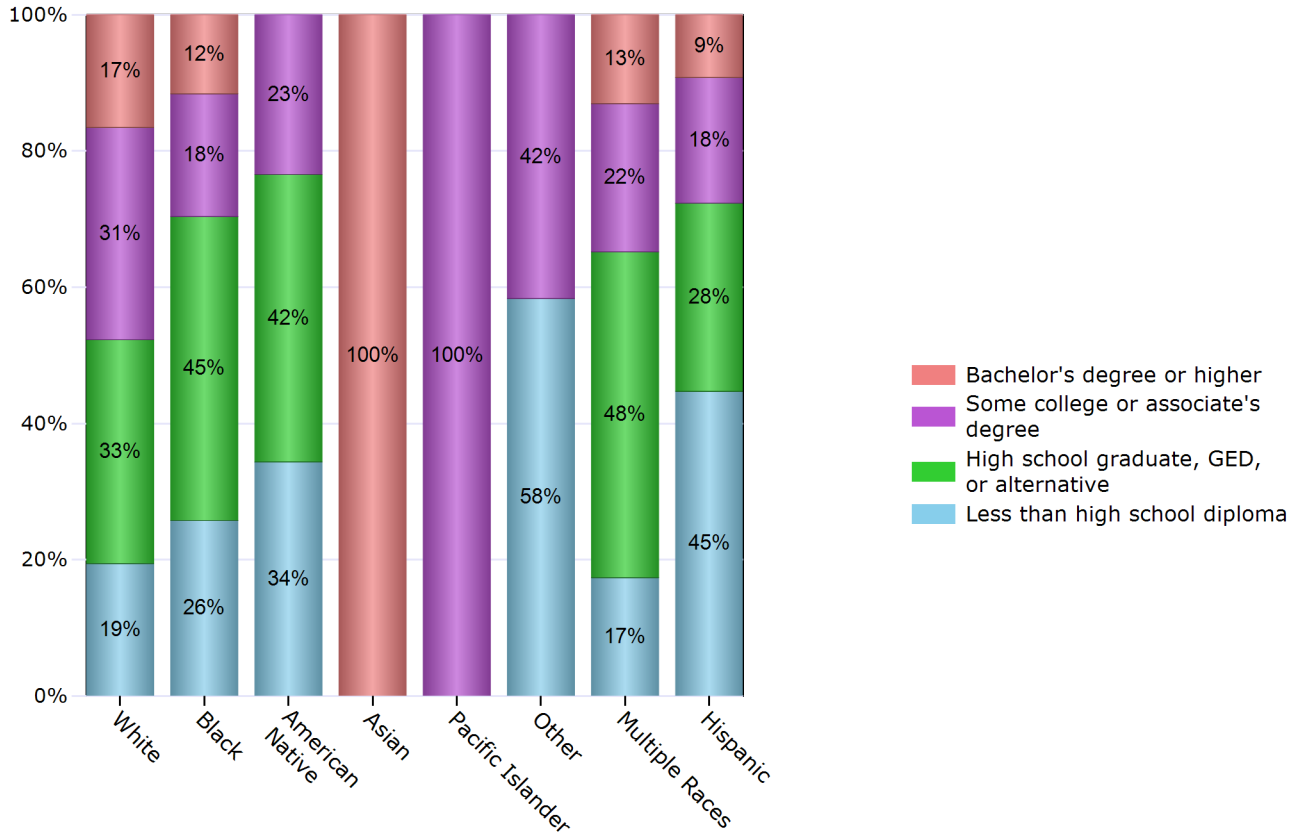
Educational Attainment by Gender (Population 18 years and over)



	Male	Female	Total
8th Grade or Less	367	259	626
Some High School	630	641	1,271
High School Grad/GED	1,553	1,636	3,189
Some College	810	1,219	2,029
Associate's Degree	179	244	423
Bachelor's Degree	396	525	921
Graduate or Professional Degree	218	66	284
	4,153	4,590	8,743

Source: U.S. Census Bureau
American Community Survey, 2008-2012.

Educational Attainment by Race/Ethnicity (Population 25 years and over)



	Less than high school diploma	High school graduate, GED, or alternative	Some college or associate's degree	Bachelor's degree or higher	Total
Race					
White	934	1,578	1,496	795	4,803
Black or African American	671	1,161	469	302	2,603
American Indian or Alaska Native	22	27	15	0	64
Asian	0	0	0	14	14
Native Hawaiian/Pacific Islander	0	0	16	0	16
Other	7	0	5	0	12
Multiple Races	16	44	20	12	92
Ethnicity					
Hispanic or Latino (of any race)	68	42	28	14	152
	1,718	2,852	2,049	1,137	7,756

Source: U.S. Census Bureau
American Community Survey, 2008-2012.

Graduate Data Trends

Essex County

	Cert. <1 yr.	Cert. 1-2 yrs.	Assoc.	Cert. 2-4 yrs.	BA	Cert. Post-BA	MA	Cert. Post-MA	Ph.D.	1st Prof.
2003										
2004										
2005										
2006										
2007										
2008										
2009										
2010										
2011										
2012										
2013										

Note: This table only reflects the degrees completed from institutions within Essex County.

Virginia Statewide

	Cert. <1 yr.	Cert. 1-2 yrs.	Assoc.	Cert. 2-4 yrs.	BA	Cert. Post-BA	MA	Cert. Post-MA	Ph.D.	1st Prof.
2003	5,245	3,079	11,174	97	32,635	178	9,948	447	974	2,133
2004	4,465	3,772	11,400	76	33,392	247	10,487	360	1,033	2,407
2005	3,983	3,831	11,833	77	34,615	476	11,255	251	1,268	2,496
2006	4,213	4,298	14,431	102	39,247	608	12,429	225	1,440	2,490
2007	4,478	3,686	15,519	116	40,381	650	12,781	252	1,516	2,626
2008	5,197	3,813	16,207	134	39,160	725	13,802	334	1,080	2,168
2009	6,259	4,587	17,179	85	40,233	756	15,445	300	925	2,064
2010	7,648	8,158	21,014	374	45,361	915	18,889	601	2,100	2,598
2011	6,972	12,557	24,306	473	49,109	1,055	20,697	727	2,329	2,658
2012	8,825	12,801	26,199	620	53,051	1,215	21,516	686	2,095	3,298
2013	8,153	12,179	25,854	484	54,778	1,067	22,782	706	2,230	2,963

Source: U.S. Department of Education, Institute of Education Sciences (IES).

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www.VirginiaLMI.com



Training Providers

University of Mary Washington

1301 College Ave
Fredericksburg, VA 22401-5300

Phone: (540) 654-1000

<http://www.umw.edu>

Number of 2013 graduates: 1,288

Career Training Solutions

10304 Spotsylvania Ave, Suite 400
Fredericksburg, VA 22408-

Phone: (540) 373-2200 ext. 221

<http://www.careertrainingsolutions.edu>

Number of 2013 graduates: 194

Eastern Shore Community College

29300 Lankford Hwy
Melfa, VA 23410-

Phone: (757) 789-1789

<http://www.es.vccs.edu>

Number of 2013 graduates: 182

*Source: U.S. Department of Education,
Institute of Education Sciences (IES), 2013.*